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LOCUS HUMMRNAC 2062 bp mRNA PRI 26-JUL-1993
 DEFINITION Human (clone CTG-A4) mRNA sequence.
 ACCESSION L10374
 VERSION L10374.1 GI:307288
 KEYWORDS .
 SOURCE Homo sapiens (library: Stratagene lambda ZAP II) female 85 years
 frontal Cortex cDNA to mRNA.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 2062)
 AUTHORS Li, S.-H., McInnis, M., Margolis, R., Antonarakis, S. and Ross, C.
 TITLE Novel triplet repeat containing genes in human brain: Cloning,
 expression, and length polymorphisms
 JOURNAL Genomics 16, 572-579 (1993)
 MEDLINE 93315145

FEATURES Location/Qualifiers
 source 1..2062
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /sex="female"
 /tissue_type="frontal Cortex"
 /dev_stage="85 years"
 /tissue_lib="Stratagene lambda ZAP II"
 BASE COUNT 540 a 491 c 554 g 476 t 1 others
 ORIGIN

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121  gagtccggcca gggctgtgcg ttcccaaaat atgaccaggg gtgcttggat gtgtcggcag
181  tatgacgacg gcttaaaaat ctggttgcca gcaccccgag agaacgagaa accgttcac
241  gattccgaga gggctcagaa atggcgactg tctctggcat ctctcttgtt ttccacagtc
301  ctgctctctg atcacttgtg gttctgcgcc gaggccaagc tgaccggggc ccgggacaag
361  gagcaccagc agcagcagcg gcagcagcag cagcagcagc agcagcagag gcagcggcag
421  cagcagcagc agcagcggcg gcagcaggag cctcctggc ccgcgctcct ggcgagcatg
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541  ctgccccctt ccccgggaga cggcgggcgc ggcggcgcca agggcaaccg agggcaagac
601  gaccggggca aggcctcttt tctaggaaac tctgccaagc ccgtgtggcg cctggagact
661  tgttaccccc agggcgcgct ctcggggcag tgcttcacgg tggagaatgc ggacgcgggtg
721  tgcgccagga actggagtcg gggggcgccc ggggggggac gggcaggagg tgaggagcaa
781  gcatcccact ccgctctgga acttgctcga tttttacctt tcggtttgta attcctacac
841  actttgggag ttgttctcgg ggttgctccag tcccaacact ttgaactgca gtctggatgt
901  ggtgctcaag gaaggcggcg agatgaccac ttgcaggcag tgcgtcgagg cttaccagga
961  ctatgaccac catgctcagg agaaatacga agagtttgaa agcgtgctcc acaaatat
1021  acagtccgag gactactcgg tgaatcctg tcctgaagac tgtaagattg tctacaaagc
1081  ctggctctgt tcccagtatt ttgaagtcac acagtttaac tgcagaaaga caattccttg
1141  caagcaatac tgtttgaggg ttccagacgag gtgtccattt atattgcccg acaatgatga
1201  agtcatctac ggaggcctct ccagtttcat ctgtacaggg ctttatgaaa cctttctaac
1261  caatgatgaa ccagaatgct gtgacgtcag gagagaagaa aaatcawata acccatccaa
1321  agggaccgta gagaaaagtg gctcctgtca caggacatcg ctccacagtgt catcagcaac
1381  aagactgtgc aacagcagac tcaagctgtg tgttcttgta ctgattctct tacacacagt
1441  gctcacagcc tcggcagcac agaacacagc cggactgagc tttggaggga tcaacacgct
1501  ggaagaaaac tcaaccaatg aggagtaacg gaaggacgag tgtcaccaca gcagcagctg
1561  gcccgccgtg aaaaatggca actgctgtct catgtaacag aaactgggtg cttttacctt
1621  cgaattactt attgcaaggc ctttagggta aaatttaaac agatgggcct gaatccaaac
1681  aaggacacaa ccacagcttt ttattgacta aaaggctgga aagtgacttt aaatttctca
1741  caccatttta tacactgtgt ttaaatgttt ggaggtttta tttgctttcg ttttggtttg
1801  ggtttatttg tttgtttatt ttttgcaatt gtttaatacag gatttatatt gggggatggg
1861  ttctcagagg taaactaagt cttttcactg tctctatctc tctatatatt tctagtcatt
1921  gtgtgtgttc atcagatagt tctgtcttta tgtcctgtca gcttctatta gaggaatgat
1981  tgctatgacc tcatgggtata gcaaaaaaca acaacaaaaa aagaataaaa aataaaaaag
2041  acaaaaaaaa gaaaaggaaat tc

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[http://www.bionauts.genset.fr/cgi/srs/sr...d+1Zqmx1HnOY_+-e+\[GENBANK-ID:'HUMMRNAC'\]](http://www.bionauts.genset.fr/cgi/srs/sr...d+1Zqmx1HnOY_+-e+[GENBANK-ID:'HUMMRNAC'])

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LOCUS H09867 229 bp mRNA EST 23-JUN-1995
 DEFINITION ym01g08.r1 Soares infant brain 1NIB Homo sapiens cDNA clone
 IMAGE:46473 5', mRNA sequence.
 ACCESSION H09867
 VERSION H09867.1 GI:874689
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 229)
 AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman
 ,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,
 Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston
 ,R., Williamson,A., Wohlmann,P. and Wilson,R.
 TITLE The WashU-Merck EST Project
 JOURNAL Unpublished (1995)
 COMMENT Contact: Wilson RK
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@watson.wustl.edu
 Insert Size: 1697
 High quality sequence stops: 216
 Source: IMAGE Consortium, LLNL
 This clone is available royalty-free through LLNL ; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 Insert Length: 1697 Std Error: 0.00
 Seq primer: M13RP1
 High quality sequence stop: 216.
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 /db_xref="GDB:419014"
 /db_xref="taxon:9606"
 /clone="IMAGE:46473"
 /clone_lib="Soares infant brain 1NIB"
 /sex="female"
 /dev_stage="73 days post natal"
 /lab_host="DH10B (ampicillin resistant)"
 /note="Organ: whole brain; Vector: Lafmid BA; Site_1: Not
 I; Site_2: Hind III; 1st strand cDNA was primed with a Not
 I - oligo(dT) primer [5'
 AACTGGAAGAATTGCGCGCCGACGGAATTTTTTTTTTTTTTTTTTTT 3'];
 double-stranded cDNA was ligated to Hind III adaptors
 (Pharmacia), digested with Not I and directionally cloned
 into the Not I and Hind III sites of the Lafmid BA vector.
 Library went through one round of normalization. Library
 constructed by Bento Soares and M.Fatima Bonaldo."
 BASE COUNT 54 a 76 c 45 g 53 t 1 others
 ORIGIN
 1 cctaagtctc ccttctaccc acagaaccaa caacaccctt cccggccttt cctttccctc
 61 gccctcttct cgccccctaa gcaaacaaca tccgcttgct tctgtctgtg taaccacagt
 121 gaatgggtgt gcacgcttga tgggcctctg agccctgtt gcacaaacca gaaacagagc
 181 ggancaaggg ggcctgacaa gagttccttt ttagctgaac aaacaagtg
 //

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LOCUS AA319416 217 bp mRNA EST 19-APR-1997
 DEFINITION EST21636 Adrenal gland tumor Homo sapiens cDNA 5' end similar to similar to H. sapiens hypothetical protein CTG-A4 (GB:L10374), mRNA sequence.
 ACCESSION AA319416
 VERSION AA319416.1 GI:1971741
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 217)
 AUTHORS Adams,M.D., Kerlavage,A.R., Fleischmann,R.D., Fuldner,R.A., Bult ,C.J., Lee,N.H., Kirkness,E.F., Weinstock,K.G., Gocayne,J.D., White ,O., Sutton,G., Blake,J.A., Brandon,R.C., Man-Wai,C., Clayton,R.A., Cline,T.R., Cotton,M.D., Earle-Hughes,J., Fine,L.D., Fitzgerald ,L.M., Fitzhugh,W.M., Fritchman,J.L., Geoghagen,N.S., Glodek,A., Gnehm,C.L., Hanna,M.C., Hedblom,E., Hinkle,P.S.Jr., Kelley,J.M., Kelley,J.C., Liu,L.-I., Marmaros,S.M., Merrick,J.M., Moreno-Palanques,R.F., McDonald,L.A., Nguyen,D.T., Pelligrino,S.M., Phillips,C.A., Ryder,S.E., Scott,J.L., Saudek,D.M., Shirley,R., Small,K.V., Spriggs,T.A., Utterback,T.R., Weidman,J.F., Li,Y., Bednarik,D.P., Cao,L., Cepeda,M.A., Coleman,T.A., Collins,E.J., Dimke,D., Feng,D.-F., Ferrie,A., Fischer,C., Hastings,G.A., He,W.W., Hu,J.S., Greene,J.M., Gruber,J., Hudson,P., Kim,A.K., Kozak,D.L., Kunsch,C., Hungjun,J., Li,H., Meissner,P.S., Olsen,H., Raymond,L., Wei,Y.F., Wing,J., Xu,C., Yu,G.L., Ruben,S.M., Dillion,P.J., Fannon ,M.R., Rosen,C.A., Haseltine,W.A., Fields,C., Fraser,C.M. and Venter,J.C.
 TITLE Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence
 JOURNAL Nature 377 (6547 Suppl), 3-174 (1995)
 MEDLINE 96026280
 COMMENT Contact: Kerlavage, AR
 Bioinformatics
 The Institute for Genomic Research
 9712 Medical Center Drive, Rockville, MD 20850 USA
 Tel: 3018699056
 Fax: 3018699423
 Email: arkerlav@tigr.org
 For clone availability, additional sequence and expression information related to this EST, please check the TIGR Human Gene Index (<http://www.tigr.org/tdb/hgi/hgi.html>)
 Seq primer: M13 Reverse.
 FEATURES
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 /organism="Homo sapiens"
 /db_xref="ATCC (inhost):119963"
 /db_xref="taxon:9606"
 /clone_lib="Adrenal gland tumor"
 /dev_stage="adult"
 /note="Organ: adrenal gland; Vector: pBluescript SK-;
 Site_1: EcoRI; Site_2: XhoI"
 BASE COUNT 60 a 56 c 54 g 44 t 3 others
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 1 ctgtgtgttc ttgtactgat tctnttacac acagtgtca cagntcggc agcacagaac
 61 acagccggac tgagctttgg aggcataaac acgctggaag aaaactcaac caatgaggag
 121 taacggaagg acgagtgtca ccacagcagc agctggcccg ccgtgaaaaa tggcaactnc
 181 tgtctcatgt aacagaaact ggggtgctttt accctcgc
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LOCUS AA424056 292 bp mRNA EST 16-OCT-1997
 DEFINITION zv80d09.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone
 IMAGE:759953 3', mRNA sequence.
 ACCESSION AA424056
 VERSION AA424056.1 GI:2103017
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 292)
 AUTHORS Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S.,
 Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B.,
 Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,
 T., Waterston,R. and Wilson,R.
 TITLE WashU-Merck EST Project 1997
 JOURNAL Unpublished (1997)
 COMMENT Contact: Wilson RK
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@watson.wustl.edu
 This clone is available royalty-free through LLNL ; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 Seq primer: -41m13 fwd. ET from Amersham
 High quality sequence stop: 262.
 FEATURES
 source Location/Qualifiers
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 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone="IMAGE:759953"
 /clone_lib="Soares_total_fetus_Nb2HF8_9w"
 /dev_stage="8-9 weeks"
 /lab_host="DH10B"
 /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
 polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA
 was prepared from mRNA obtained from pooled 8-9 week
 (total) fetus material with a Not I - oligo(dT) primer [5'
 TGTTACCAATCTGAAGTGGGAGCGGCCGCTTAATTTTTTTTTTTTTTTTTTTT 3'].
 Double-stranded cDNA was ligated to Eco RI adaptors
 (Pharmacia), digested with Not I and cloned into the Not I
 and Eco RI sites of the modified pT7T3 vector. Library
 went through one round of normalization, and was
 constructed by Bento Soares and M. Fatima Bonaldo. "
 BASE COUNT 109 a 41 c 42 g 100 t
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 61 tatcaccaaa tgtaaagca ataaagaatg acattgaact ctatgttatt tgccatttag
 121 cttagcagta ccaacatatt ccagaaactg aaatttctct attgcagata aaaagaataa
 181 taaacagggg aatctatgcc atacatttat gaaacaaata ttgttttctt gggttttcaac
 241 ttgcttgtag aaataattat tttaattatt tagttcatta gccagtatac gg
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LOCUS AA424106 480 bp mRNA EST 16-OCT-1997
 DEFINITION zv80d09.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone
 IMAGE:759953 5', mRNA sequence.
 ACCESSION AA424106
 VERSION AA424106.1 GI:2103076
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 480)
 AUTHORS Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S.,
 Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B.,
 Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,
 T., Waterston,R. and Wilson,R.
 TITLE WashU-Merck EST Project 1997
 JOURNAL Unpublished (1997)
 COMMENT Contact: Wilson RK
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@watson.wustl.edu
 This clone is available royalty-free through LLNL ; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 Seq primer: -28m13 rev2 ET from Amersham
 High quality sequence stop: 474.
 FEATURES
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 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone="IMAGE:759953"
 /clone_lib="Soares_total_fetus_Nb2HF8_9w"
 /dev_stage="8-9 weeks"
 /lab_host="DH10B"
 /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
 polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA
 was prepared from mRNA obtained from pooled 8-9 week
 (total) fetus material with a Not I - oligo(dT) primer [5'
 TGTTACCAATCTGAAGTGGGAGCGGCCGCTTAATTTTTTTTTTTTTTTTTTTT 3'].
 Double-stranded cDNA was ligated to Eco RI adaptors
 (Pharmacia), digested with Not I and cloned into the Not I
 and Eco RI sites of the modified pT7T3 vector. Library
 went through one round of normalization, and was
 constructed by Bento Soares and M. Fatima Bonaldo. "
 BASE COUNT 157 a 100 c 88 g 135 t
 ORIGIN
 1 ggcactccat gtgccatctc accatctctt cagcgttcct catgetgctt ctccccgtgc
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 301 aaccaaaagg tggaaaacta aaaccaccat tgctttacat aagaggtaga cactgcccc
 361 ccccccaaaa aaaaaacaca gctttgaaag ttgggagaaa cactgcagtc ttcattgtaa
 421 atataaagtg ataatttagg tgaggaagga acggttaagga ggaaggaggga atgagtcctt

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LOCUS H09780 529 bp mRNA EST 23-JUN-1995
 DEFINITION ym01g08.s1 Soares infant brain 1NIB Homo sapiens cDNA clone
 IMAGE:46473 3', mRNA sequence.
 ACCESSION H09780
 VERSION H09780.1 GI:874602
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 529)
 AUTHORS Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and Wilson, R.
 TITLE The WashU-Merck EST Project
 JOURNAL Unpublished (1995)
 COMMENT Contact: Wilson RK
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@watson.wustl.edu
 Insert Size: 1697
 High quality sequence stops: 418
 Source: IMAGE Consortium, LLNL
 This clone is available royalty-free through LLNL ; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 Insert Length: 1697 Std Error: 0.00
 Seq primer: Promega -21m13
 High quality sequence stop: 418.
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 /db_xref="GDB:419014"
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 /clone="IMAGE:46473"
 /clone_lib="Soares infant brain 1NIB"
 /sex="female"
 /dev_stage="73 days post natal"
 /lab_host="DH10B (ampicillin resistant)"
 /note="Organ: whole brain; Vector: Lafmid BA; Site_1: Not I; Site_2: Hind III; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGCCGCGCAGGAATTTTTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned into the Not I and Hind III sites of the Lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo."
 BASE COUNT 155 a 89 c 89 g 189 t 7 others
 ORIGIN
 1 tttttttttt ttgtatttgc gcagaccatt ttaagatttt cagtctcaac aaaacactat
 61 taaaacaaag aatctagtaa aatattgtgc atgtactgct aaacaattct agcaatttta
 121 ttaagcaata cctttattat ttttgaatat tcttaacaga ctggaacgaa acattttttt
 181 tcaaaacaaa atatgcatac tgtacgcacg tcgcagggtt aagtatgatg cagagggttaa
 241 agtctgtttg aacaaaaaca aatgcccggtt gaaatttcac aggcataaaa gtttaataact
 301 aaattttgtt cactaagggtt gaccttttct atgggatttc cttccatctc tcngtcacac
 361 tggcaaacct atctggaggt ggcactttcc aggtgtagtt aggggatagg ggagggatgt
 421 taaatttttt ttttnaatta nttgttttgt ttgtttgttt gtttttttna aaaacagccc
 481 tttttaaccc tncctccccc ggttccaccg taaacccata aaggcnttt

2 / 2

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